


Memorandum

*Making Conservation
a California Way of Life.*

To: HAISSAM YAHYA 
OFFICE CHIEF, TRAFFIC OPERATIONS
PROGRAM ADVISOR SHOPP 015 PROGRAM

Date: May 11, 2017

File: 08-SBd-40-PM R100/R125
Regrade Median Cross Slope
Program – HB1 – 201.015
08-804 – EA 0R141
Project No. 0815000200

From: AMY CHAN 
Acting Branch Chief
Pre-Programming/Engineering Studies

Subject: **REQUEST TO PROGRAM/UPDATE A PROJECT INITIATION DOCUMENT (PID)
FOR 201.015 COLLISION SEVERITY REDUCTION PROGRAM**

The District 8 Office of Pre-Programming and Engineering Studies has completed a review of the construction capital cost estimate of Project EA 0R141 (SBd-40-PM R100/R125) as indicated in the Project Study Report (PSR) that was completed on June 30th, 2015. We find the information contained in the document to be current and worthy of inclusion in the 2018 SHOPP programming document per Don Bao, PE. There is no change to scope at this time; however, the Delivery Schedule and Capital and Support Costs are being updated as follows:

Project Milestones		Milestone Date (Month/Day/Year)
BEGIN ENVIRONMENTAL	M020	11/30/2018
Circulate DED	M120	12/20/2019
PA & ED	M200	3/31/2020
PS&E TO DOE	M377	11/30/2020
RIGHT OF WAY CERTIFICATION	M410	03/31/2021
READY TO LIST	M460	04/30/2021
HEADQUARTERS ADVERTISE	M480	07/30/2021
AWARD	M495	10/29/2021
APPROVE CONTRACT	M500	11/30/2021
CONTRACT ACCEPTANCE	M600	07/31/2023
END PROJECT	M800	07/31/2024
FHWA_AED	M900	04/30/2026

Fund Source	Fiscal Year Estimate								
20.XX.201.015	Prior	17/18	18/19	19/20	20/21	21/22	22/23	Future	Total
Component	In thousands of dollars (\$1,000)								
PA&ED Support					3,300				
PS&E Support					2,500				
Right-of-Way Support					300				
Construction Support					3,500				
Right-of-Way Capital					5,006				
Construction Capital					25,500				
Total					40,106				

The following additional considerations will also be added to update the PID:

Risk Summary

A detailed Risk Register Certification for this project is provided in Attachment (3). The following is a summary of the Risks that should be monitored and updated during the entire project development phase:

- Survey data is unavailable at this phase, the earthwork quantity may change which may impact the project cost.
- The grading median cross slope on this project would modify the existing drainage configuration. This could impact the 401, 404 and 1602 Permits. Thus increasing cost of the off-site environmental mitigation.
- The R/W capital cost for off-site environmental mitigation is yet to be negotiated with the resource agencies. This may impact the project cost.
- The project is located inside BLM land, with potential of Quiet Title affecting some parts of the existing R/W. If this is the case, BLM involvement might impact the project schedule.

Complete Streets and Climate Changes

Inclusion of complete streets (Implementation of Deputy Directive 64-R2) was determined to be unsuitable because the scope of the project is to regrade the existing median cross slopes inside the clear recovery zone from existing 6:1 or steeper gradient to 10:1 or flatter.

In addition, District 8 Transportation Concept Report (TCR) for I-40 indicates that bicyclists are allowed to ride on the shoulder of this segment and pedestrian access is prohibited within the project limits.

Greenhouse Gas (GHG) Emissions

Greenhouse Gas (GHG) emission analysis has determined this project to be qualitative (Executive Order B-30-15) and will not require implementation of the Federal Highway Administration Infrastructure Carbon Estimator tool to calculate GHG emissions. However, strategies to reduce GHG emissions will be considered to comply with the climate change requirements under Executive Order B-30-15.

This project will reduce GHG emissions by reducing roadway construction waste, reducing the frequency of maintenance vehicle idle times associated with traffic control to maintain the roadway, applying fuel efficient measures both for construction equipment and traffic management during delays or detours, using energy and water efficient construction methodologies, and recommending that material within a local radius of the project area and/or locally available building material be utilized.

Construction emissions are unavoidable, but will be reduced to the extent possible through planning and implementation of best practices throughout the project delivery process.

If you have any questions, please call Don Bao (909) 806-3936.

Attachments

- (1) Project Study Report (Signed Page).
- (2) Performance Measure Output.
- (3) Risk Register Certification.

c: Manuel Farias, Office Chief, Program/Project Management
Rafih Achy, Project Manager

08-SBd-40-PM R100.0/R154.6
EA-Project No. 0R140-0812000024
EA 0R141 (PM R100.0/R125.0)
EA 0R142 (PM R125.0/R154.6)
201.015 (HB-1)
June 2015

Project Study Report

To

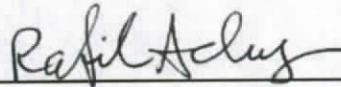
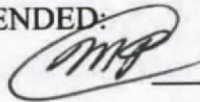
Request for Programming in the 2016 SHOPP Long Lead Project

On Route 40

Between Essex Road Overcrossing (PM R100.0)

And California/Arizona State Line (PM R154.6)

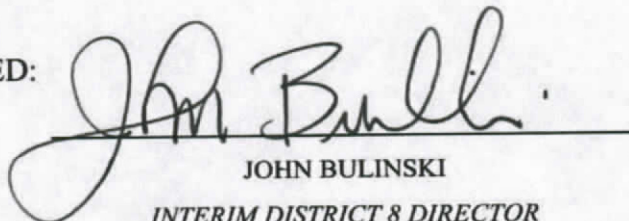
APPROVAL RECOMMENDED:



RAFIH ACHY

PROJECT MANAGER

APPROVED:



JOHN BULINSKI
INTERIM DISTRICT 8 DIRECTOR

6/30/15
DATE

SHOPP Project - Accomplishment - Performance Measures - Benefits

View/Print PIR (Performance) Report

SBD-040-R100.0/R125.0 (Primary Location)

Co-Rte-PM:

0R141

EA:

0815000200

Project ID:

0815000200

Project Manager:

Rath Achy 909 3830-4077

HQ PM Conc

TYP: 04/18/16

HQ PM Conc

PID: 04/18/16

Res In PID WP: 09/30/16

District: 08

Tool ID:

16942

☒ Green-house Gases

☐ Major Damage

☐ Other

☐ Assets in Good Cond

☐ Assets in Fair Cond

☐ Assets in Poor Cond

☐ New Asset Added

☐ Quantity

☐ Unit of Measurement

☐ Streets

☐ Roadside

☐ Mobility

☐ Safety

☐ Facilities

☐ Drainage

☐ Pavement

☐ Bridge

☐ Sustainability /Climate Change

☐ Advance Mitigation

Performance & Accomplishments (PRG)

Activity Detail	Unit of Measurement	Quantity	Assets in Good Cond	Assets in Fair Cond	Assets in Poor Cond	New Asset Added	Comment
1 Standard Slopes (201.010, .015)	EA	2.0	2.0	2.0			25 miles of median work, change slope TBD, culverts to be lengthened
2 Drainage Improvements (201.010, .015)	EA						1-40, some temporary use permitted.
3 Complete Streets Not Applicable (3) - CSC	3						if available that is the practice
4 Use of locally available building materials	Linear Miles						locally available building material used
5 Qualitative							

RISK REGISTER CERTIFICATION (ACCOUNTABILITY CHECKPOINTS) FORM

PPM-0001 (REV 07/2013)

The risk register is to be approved and signed-off by the District Deputies* listed below for all scalability levels. By signing this form, you are certifying that you have reviewed the risks documented in the register and agree that they have been managed to the extent possible by the PDT.

Project Information	<input checked="" type="checkbox"/> Capital Project <input type="checkbox"/> Major Maintenance Project (Check One)	Total Estimated Cost: \$36,000,000.00
Project ID/District-EA	0815000200/08-0R141 Nr Needles From Essex Rd OC-4.5Mi E/O Homer Wash Br	
Project Description	SBD-40 Regrade Median Cross Slope P.M. R100-R125	
Project Manager (PM)	Rafih Achy	
Project Risk Manager (For Risk Level 3 Projects)	Rafih Achy	
<input type="checkbox"/> No Risk Register Certification Required - - Check box if project is less than \$1 million in total cost and risk register not prepared. Sign below and submit this form with PID, PA&ED, PS&E submittal, and RE Handoff File (as applicable).		
Project Manager Signature		Date: _____

PID (Recommended for Capital Projects Only excluding Minor Projects)

Project Manager		Date: 4/13/17
Deputy District Director, Planning		Date: 4/11/17
Deputy District Director*, Design**		Date: 4/12/17
Deputy District Director, Project Management		Date: 4/13/17

PA&ED (Required for Capital Projects Only)

Project Manager	Date: _____
Deputy District Director*, Environmental	Date: _____
Deputy District Director*, Design**	Date: _____
Deputy District Director, Project Management	Date: _____

Prior to PS&E (Required for Capital Projects and Major Maintenance Projects)

Project Manager	Date: _____
Deputy District Director*, Design**	Date: _____
Deputy District Director*, Construction	Date: _____
Deputy District Director*, Right of Way	Date: _____
Deputy District Director*, Environmental	Date: _____
Deputy District Director, Project Management**	Date: _____

RE File Hand-off (Recommended for Capital Projects and Major Maintenance Projects)

Project Manager	Date: _____
Deputy District Director*, Design**	Date: _____
Deputy District Director*, Construction	Date: _____
Deputy District Director, Project Management**	Date: _____

*or the respective Project Delivery Division Chief signatures in the North Region or Central Region

**or Deputy District Director, Maintenance signature for HM Projects designed by the District Maintenance Division

ADA Notice

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EA 0R141 (0815000200) EA 0R141 SBD 40 Regrade Median Cross Slope Near Needles From Essex Rd OC to 4.5M: E/O Homer Wash Bridge - ACTIVE RISK REGISTER

Risk 001 Earthwork Quantity

RBS: Design Owner: Diboro Kanabolo Updated: 4-10-2017

Description: Because Survey data is unavailable at this phase, the earthwork quantity may change which will impact the project cost. Status:

Response Options: Surveys will be done in the PA&ED phase.

Impacts:

	Probability	Capital	Costs (dollars)	Support	Development	Delays (days)	Construction
Optimistic	%						
Most Likely							
Pessimistic	%						

Assessment Notes:

Risk 002 Grading, Modify Drainage Configuration and the 401 404 and 1602 Per

RBS: Design Owner: Diboro Kanabolo Updated: 4-10-2017

Description: The grading being done on this project will modify the drainage configuration. This could impact the 401, 404 and 1602 Permits and impact the cost of the off-site environmental mitigation. Status:

Response Options: Design will keep these modifications to a minimum.

Impacts:

	Probability	Capital	Costs (dollars)	Support	Development	Delays (days)	Construction
Optimistic	%						
Most Likely							
Pessimistic	%						

Assessment Notes:

Risk 003 RW Cost and Land Acquisition for Environmental Mitigation

RBS: EnvironmentalOwner: Craig Wentworth Updated: 4-10-2017

Description: The RW capital cost for off-site environmental mitigation is yet to be negotiated with the resource agencies. This may impact the project cost. Status:

Response Options: A PCR might be needed for the additional funds.

Impacts:

Costs (dollars)	Delays (days)
-----------------	---------------

	Probability	Capital	Support	Development	Construction
Optimistic	%				
Most Likely					
Pessimistic	%				

Assessment Notes:

Risk 004 BLM Land

RBS: RW Owner: David R Chavez Updated: 3-28-2017

Description: The project is located inside BLM land, with a potential of Quiet Title affecting some parts of the existing R/W. If this is the case, BLM involvement might affect the project schedule.

Status:

Response Options: BLM involvement will be carefully investigated during the PA&ED phase.

Impacts:

	Probability	Capital	Support	Development	Construction
Optimistic	%				
Most Likely					
Pessimistic	%				

Assessment Notes:

Prepared by Nassim Elias